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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/603,406 06/24/2003		06/24/2003	Pier Andrea Borea	58045-U2(46453) 4184	
21874	7590	03/06/2006		EXAMINER	
EDWARDS P.O. BOX 5		GELL, LLP	SILVERMAN, ERIC E		
BOSTON, MA 02205				ART UNIT	PAPER NUMBER
				1615	

DATE MAILED: 03/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/603,406	BOREA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Eric E. Silverman, PhD	1615					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was a reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be time till apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on	_•						
2a) This action is FINAL . 2b) This	action is non-final.						
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-27 is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)☐ Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) 1-27 are subject to restriction and/or e	lection requirement.						
Application Papers							
9) The specification is objected to by the Examine	• <u>.</u>						
10) The drawing(s) filed on is/are: a) acce		Examiner.					
Applicant may not request that any objection to the							
Replacement drawing sheet(s) including the correcti		• •					
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:		e-(d) or (f).					
1. Certified copies of the priority documents have been received.							
 Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage 							
		ed in this National Stage					
application from the International Bureau	. , , , , , , , , , , , , , , , , , , ,	ai					
* See the attached detailed Office action for a list of	or the certified copies not receive	ca.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	atent Application (PTO-152)					

DETAILED ACTION

Election/Restrictions

This application contains claims directed to the following patentably distinct species: different adenosine A3 receptor antagonists. The species are independent or distinct because each of the claimed species has a different chemical formula. As such, each has different chemical, biological and physical properties, and each further requires a different search of the prior art.

Accordingly, Applicant must elect one antagonist from among the following claimed antagonists:

Art Unit: 1615

1) The antagonist having the chemical structure:

wherein:

A is imidazole, pyrazole, or triazole;

R is $-C(X)R^1$, $-C(X)-N(R^1)_2$, $-C(X)OR^1$, $-C(X)SR^1$, $-SO_nR^1$, $-SO_nS$ R¹, or $-SO_n-N(R^1)_2$;

R¹ is hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl, substituted alkynyl, aryl, substituted aryl, heteroaryl, heterocyclic, lower alkenyl, lower alkanoyl, or, if linked to a nitrogen atom, then taken together with the nitrogen atom, forms an azetidine ring or a 5-6 membered heterocyclic ring

Art Unit: 1615

containing one or more heteroatoms;

R² is hydrogen, alkyl, substituted alkyl, alkenyl, aralkyl, substituted aralkyl, heteroaryl, substituted heteroaryl or aryl;

R³ is furan, pyrrole, thiophene, benzofuran, benzypyrrole, benzothiophene, optionally substituted with one or more substituents selected from the group consisting of hydroxy, acyl, alkyl, alkoxy, alkenyl, alkynyl, substituted alkyl, substituted alkoxy, substituted alkenyl, substituted alkynyl, amino, substituted amino, aminoacyl, acyloxy, acylamino, alkaryl, aryl, substituted aryl, aryloxy, azido, carboxyl, carboxylalkyl, cyano, halo, nitro, heteroaryl, heteroaryloxy, heterocyclic, heterocyclooxy, aminoacyloxy, thioalkoxy, substituted thioalkoxy, -SO-alkyl, -SO-substituted alkyl, -SO-aryl, -SO-heteroaryl, -SO₂-alkyl, -SO₂-substituted alkyl, -SO₂-aryl, -SO₂-heteroaryl, and trihalomethyl;

X is O, S, or NR¹; and pharmaceutically acceptable salts thereof.

or,

Application/Control Number: 10/603,406 Page 5

Art Unit: 1615

2) An antagonist having the chemical structure:

wherein:

A is imidazole, pyrazole, or triazole;

R² is hydrogen, alkyl, substituted alkyl, alkenyl, aralkyl, substituted aralkyl heteroaryl, substituted heteroaryl or aryl; R³ is furan; and

R⁶ is aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycle of substituted heterocycle; and

pharmaceutically acceptable salts thereof.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 1 - 5, 11 - 16, and 22 - 27 are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations

Application/Control Number: 10/603,406

Art Unit: 1615

of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

A telephone call was made to Applicant's Attorney on 2-23-06 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric E. Silverman, PhD whose telephone number is 571 272 5549. The examiner can normally be reached on Monday to Friday 7:30 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman K. Page can be reached on 571 272 0602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eric E. Silverman, PhD

Art Unit 1615

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600